

1518018

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/15009

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> A61K38/44, A61P7/00, 7/02, 9/10, 13/12, 29/00, 31/16,  
43/00, A23L1/30, A23K1/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> A61K38/00-38/58

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
CAPLUS (STN), BIOSIS (STN), MEDLINE (STN), EMBASE (STN), WPI (DIALOG)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HAVERSEN, Liliana A. et al., Human Lactoferrin and Peptides Derived from a Surface-Exposed Helical Region Reduce Experimental Escherichia coli Urinary Tract Infection in Mice., Infection and Immunity, October, 2000, Vol.68, No.10, pages 5816 to 5823	1-6
A	JP 5-9124 A (The Calpis Food Industry Co., Ltd.), 19 January, 1993 (19.01.93), (Family: none)	1-6
A	WO 92/01466 A1 (UNIVERSITE LIBRE DE BRUXELLES), 06 February, 1992 (06.02.92), & EP 540547 A1 & EP 540547 B1 & DE 69110678 E & JP 6-501453 A & JP 3478821 B2 & US 5503853 A	1-6

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
16 February, 2004 (16.02.04)

Date of mailing of the international search report  
02 March, 2004 (02.03.04)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/15009

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 791359 A1 (CHUGAI SEIYAKU KABUSHIKI KAISHA), 27 August, 1997 (27.08.97), & WO 96/12503 A1 & AU 9537099 A & AU 689657 B & JP 8-169846 A & NO 9701816 A & FI 9701669 A & CZ 9701189 A3 & HU 77035 T & KR 97706846 A & RU 2147442 C1 & CN 1164194 A	1-6
A	EP 1002542 A1 (UNIVERSIDAD COMPLUTENSE DE MADRID), 24 May, 2000 (24.05.00), & EP 1002542 B1 & WO 99/53944 A1 & ES 2138561 A1 & ES 2138561 B1 & ES 2160495 B1 & AU 9931486 A & JP 2002-507224 A & DE 69904010 E & US 6429188 B1 & US 2002/0151458 A1	1-6

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/15009

## Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 7, 8

because they relate to subject matter not required to be searched by this Authority, namely:

The inventions as set forth in claims 7 and 8 pertain to methods for treatment of the human body by therapy.

2. ☐ Claims Nos.:

because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:

because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

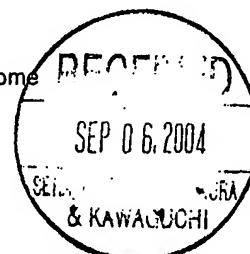
PCT

INFORMATION CONCERNING ELECTED  
OFFICES NOTIFIED OF THEIR ELECTION

(PCT Rule 61.3)

From the INTERNATIONAL BUREAU

To:

KAWAGUCHI, Yoshiyuki  
Acropolis 21 Building 6th floor  
4-10, Higashi Nihonbashi 3-chome  
Chuo-ku, Tokyo 103-0004  
JAPON

Date of mailing (day/month/year) 02 September 2004 (02.09.2004)		
Applicant's or agent's file reference FP149OP1667		IMPORTANT INFORMATION
International application No. PCT/JP2003/015009	International filing date (day/month/year) 25 November 2003 (25.11.2003)	Priority date (day/month/year) 24 February 2003 (24.02.2003)
Applicant MORINAGA MILK INDUSTRY CO., LTD. et al		

- The applicant is hereby informed that the International Bureau has, according to Article 31(7), notified each of the following Offices of its election:  
**EP:** AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR  
**National:** CA, CN, JP, KR, US
- The following Offices have waived the requirement for the notification of their election; the notification will be sent to them by the International Bureau only upon their request:  
**National:** AU, ID, NZ
- The applicant is reminded that he must enter the "national phase" before the expiration of 30 months from the priority date before each of the Offices listed above. This must be done by paying the national fee(s) and furnishing, if prescribed, a translation of the international application (Article 39(1) (a)), as well as, where applicable, by furnishing a translation of any annexes of the international preliminary examination report (Article 36(3) (b) and Rule 74.1).

Some offices have fixed time limits expiring later than the above-mentioned time limit. For detailed information about the applicable time limits and the acts to be performed upon entry into the national phase before a particular Office, see Volume II of the PCT Applicant's Guide.

The entry into European regional phase is postponed until 31 months from the priority date for all States designated for the purposes of obtaining a European patent.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Yoshiko Kuwahara
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